

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/762,769A
Source: 1Fu16
Date Processed by STIC: 7/12/06

ENTERED



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/762,769A

DATE: 07/12/2006
TIME: 09:52:58

Input Set : F:\SEQLIST.TXT
Output Set: N:\CRF4\07122006\J762769A.raw

4 <110> APPLICANT: Melis, Anastasios
5 Wintz, Hsu-Ching Chen
7 <120> TITLE OF INVENTION: MODULATION OF SULFATE PERMEASE FOR
8 PHOTOSYNTHETIC HYDROGEN PRODUCTION
11 <130> FILE REFERENCE: BERK-016CIP
13 <140> CURRENT APPLICATION NUMBER: 10/762,769A
14 <141> CURRENT FILING DATE: 2004-01-21
16 <150> PRIOR APPLICATION NUMBER: 60/354,760
17 <151> PRIOR FILING DATE: 2002-02-04
19 <150> PRIOR APPLICATION NUMBER: 60/377,902
20 <151> PRIOR FILING DATE: 2002-05-02
22 <150> PRIOR APPLICATION NUMBER: 10/350,298
23 <151> PRIOR FILING DATE: 2003-01-22
25 <160> NUMBER OF SEQ ID NOS: 16
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 411
31 <212> TYPE: PRT
32 <213> ORGANISM: Chlamydomonas reinhardtii
34 <400> SEQUENCE: 1
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37 Cys Ile Ala Gly Val Gln Arg Ser Pro Ile Arg Leu Gly Thr Ser Ser
38 20 25 30
39 Val Ala His Val Gln Val Ser Pro Ala Gly Leu Gly Arg Tyr Gln Arg
40 35 40 45
41 Gln Arg Leu Gln Val Val Ala Ser Ala Ala Ala Ala Ala Phe Asp
42 50 55 60
43 Pro Pro Gly Gly Val Ser Ala Gly Phe Ser Gln Pro Gln Gln Leu
44 65 70 75 80
45 Pro Gln Gln His Pro Arg Gln Pro Gln Ala Val Ala Glu Val Ala Val
46 85 90 95
47 Ala Glu Ser Val Ser Ala Pro Ala Ser Ala Ala Pro Ser Asn Asp Gly
48 100 105 110
49 Ser Pro Thr Ala Ser Met Asp Gly Gly Pro Ser Ser Gly Leu Ser Ala
50 115 120 125
51 Val Pro Ala Ala Ala Thr Ala Thr Asp Leu Phe Ser Ala Ala Ala Arg
52 130 135 140
53 Leu Arg Leu Pro Asn Leu Ser Pro Ile Ile Thr Trp Thr Phe Met Leu
54 145 150 155 160
55 Ser Tyr Met Ala Phe Met Leu Ile Met Pro Ile Thr Ala Leu Leu Gln
56 165 170 175
57 Lys Ala Ser Leu Val Pro Leu Asn Val Phe Ile Ala Arg Ala Thr Glu

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64	225	230	235
65	240	245	250
66	Leu Pro Phe Ala Leu Pro Thr Ser Val Ala Gly Leu Thr Leu Ala Thr		
67	255	260	265
68	Val Tyr Gly Asp Glu Phe Phe Ile Gly Gln Phe Leu Gln Ala Gln Gly		
69	270	275	280
70	Val Gln Val Val Phe Thr Arg Leu Gly Val Val Ile Ala Met Ile Phe		
71	285	290	295
72	Val Ser Phe Pro Phe Val Val Arg Thr Met Gln Pro Val Met Gln Glu		
73	300	305	310
74	Ile Gln Lys Glu Met Glu Glu Ala Ala Trp Ser Leu Gly Ala Ser Gln		
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76	Trp Arg Thr Phe Thr Asp Val Val Leu Pro Pro Leu Leu Pro Ala Leu		
77	335	340	345
78	Leu Thr Gly Thr Ala Leu Ala Phe Ser Arg Ala Leu Gly Glu Phe Gly		
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80	Ser Ile Val Ile Val Ser Ser Asn Phe Ala Phe Lys Asp Leu Ile Ala		
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82	Pro Val Leu Ile Phe Gln Cys Leu Glu Gln Tyr Asp Tyr Val Gly Ala		
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97	gtaagccacc agacactacc aagttagagta atccatttgt ataggtacag aatatggagc 180		
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99	ggtcgcctat ccgacttaggg acttcaagcg ttgctcatgt gcaggtctct ccggcaggta 300		
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 113 cgtcttcata ggcgcgcaca ccgagccgtt ggcgtatgcac gcctactacg tcacccctc 1140
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 115 ggtgcgtac aatttcgcgg ggaagaagat cctggacgcg gcgggtggacc tgccggtcgc 1260
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 120 cgggtgggtg ggagggagag ggagggcggtt ggctgggaggga gaagggttaag gcgggaggg 1560
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 123 gaggggctag agaggggcat gcgactcct gctgggattt aggtgcgtgc tcattgagga 1740
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 125 ctagacgcgc ggttgggcaa cgagcagacg tgctgtgcgg ctatggatgg aaggcgatgc 1860
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 158 tgcaagctca ggcagtcgca tgcccgtaacc ctgtttctgg tccagtgtgg agacaagact 3840

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 161 <210> SEQ ID NO: 3
 162 <211> LENGTH: 1984
 163 <212> TYPE: DNA
 164 <213> ORGANISM: Chlamydomonas reinhardtii.
 166 <400> SEQUENCE: 3
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 168 ctgcgacgt gcaaagcctt tctttagcggt gttgatggac tttgcttgc tatctgtcca 120
 169 gtaagccacc agacactacc aagtagagta atccattttgt ataggtacag aatatggagc 180
 170 gagtttgcag ccacatcgctt gcctcgtcgc gaggaggagcc atgcacgtcg ggggtgcagc 240
 171 ggtcgcccatt ccgacttaggg acttcaagcg ttgtcatgt gcaggtctct ccggcaggcc 300
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 205 <213> ORGANISM: Chlamydomonas reinhardtii
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 234 ggcgggttca gatgggtaa aagctgttg aaatcaacac gtgcagcggg tgggttgcatt 1620
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 262 gcgtgaccac catcattgtt acgcacgacc aggaggaggc gttcgacccgt gcccgcacagg 960

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 438

VERIFICATION SUMMARY

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L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:432